

1. (Original) A binding assay device comprising:
 - a porous membrane comprising a material enabling capillary movement of a liquid sample from a first area of the membrane to a second area of the membrane;
 - a detection site disposed on the membrane between the first and second areas;
 - a non-absorbent medium disposed on the membrane between said detection site and the membrane first area, the medium being attached to the membrane by an adhesive; and
 - a dry reagent disposed between the medium and the membrane, in order to enable mobilization of the reagent by passage of said liquid sample and entry into the membrane and liquid sample before the liquid sample reaches said detection site.
2. (Original) The device according to claim 1 where said dry reagent is disposed between the adhesive and the membrane.
3. (Original) The device according to claim 2 wherein said dry reagent is in the form of a stripe, said stripe being generally transverse to a direction of sample migration.
4. (Original) The device according to claim 1 wherein the reagent is particle based in an aqueous buffer solution.
5. (Original) The device according to claim 4 wherein the medium comprises Mylar®.
6. (Original) The device according to claim 1 wherein said dry reagent is adhered only to the medium.
7. (Original) The device according to claim 6 wherein said dry reagent is in the form of a stripe, said stripe being aligned transverse to a direction of sample migration.

8. (Original) The device according to claim 6 wherein the reagent is particle based in an aqueous buffer solution.

9. (Original) The device according to claim 8, said dry reagent comprises between about 2% and about 30% w/v sugar.

10. (Original) The device according to claim 9 wherein said sugar comprises sucrose.

11. (Original) A method of producing a binding assay device, said method comprising the steps of:

providing a porous membrane comprising a material enabling capillary movement of a liquid sample from a first area of the membrane to a second area of the membrane;

disposing a detection site on the membrane between the first and second areas;

providing a non-absorbent medium having a bottom side with an adhesive disposed on the bottom side;

disposing a particle based reagent onto the medium bottom side;

evaporating a solvent in the particle based reagent to provide a dry reagent on the medium bottom side; and

adhering the medium bottom side to the membrane between the first area said deduction site.

~~16~~12. (Currently Amended) The method according to claim ~~15~~11 wherein the non-porous medium is provided with adhesive covering the center medium bottom side and the solubilized reagent is disposed onto the adhesive.

~~17~~13. (Currently Amended) The method according to claim ~~16-12~~ wherein the evaporated reagent is disposed as a bead along the non porous medium and the step of evaporating the subject results in a stripe of dry reagent along the medium.

~~18~~14. (Currently Amended) The method according to claim ~~17-13~~ wherein the step of evaporating the subject includes evaporating a water solvent.

~~19~~15. (Currently Amended) The method according to claim ~~18-14~~ wherein the solubilized reagent includes a concentrate of a sugar.

~~20~~16. (Currently Amended) The method according to claim ~~19-15~~ wherein the sugar is present in an amount between 2% and 30% W/V.

~~21~~17. (Currently Amended) The method according to claim ~~19-15~~ further comprising the step of varying the concentrate of the sugar in the solubilized reagent in order to control a rate of mobilization of the reagent into the membrane upon passage of liquid sample therepast.

~~22~~18. (Currently Amended) The method according to claim ~~19-15~~ further comprising the step of varying the concentration of the sugar in the particle based reagent in order to increase a viscosity thereof thereby enabling reagent to be applied in bead form without collapse or separation of the bead upon movement of the medium and drying of the solubilized reagent.

~~23~~19. (Cancelled)

~~24~~20. (Cancelled)

~~25~~21. (Cancelled)

~~26~~22. (Cancelled)